

S-E-C-R-E-T

Approved For Release 2004/07/08 : CIA-RDP80B01139A000500260006-5
T/VIII/M-9
28 July 1965

UNITED STATES INTELLIGENCE BOARD

COMMITTEE ON DOCUMENTATION

TASK TEAM VIII - PHOTO CHIP

Minutes of the Ninth Meeting, 14, 15 April 1965

Members or Their Representatives Present

25X1 DIA - [redacted] Chairman
CIA - [redacted]

25X1 ARMY - [redacted]
NAVY - [redacted]
AIR FORCE - [redacted]

25X1 CSS - [redacted] Secretary

(NOTE: [redacted] of NPIC attended the briefing on the Rome programs related to chips and then followed their specific interests in a series of briefings separate from the Photo Chip Team.)

1. The Working Session. The bulk of the working session was spent reviewing the various working papers and reference papers, in preparation for the upcoming full-week drafting session to be held from April 26 through April 31 at a nearby military facility. Particular attention was paid to the selection of those papers of a technical or philosophical nature that were most relevant to the report drafting work. Tasks were defined for the upcoming full-week meeting, and the Chairman made tentative assignments to the various working groups. Arrangements were completed for transportation and for the delivery of appropriate clearances.

GROUP I
Excluded from automatic
downgrading &
declassification.

S-E-C-R-E-T

Approved For Release 2004/07/08 : CIA-RDP80B01139A000500260006-5

S-E-C-R-E-T

- 2 -

2. The Team also received a briefing on Micro-Vue equipment from representatives of the [redacted] The Micro-Vue 25X1 is a recently developed, hand portable photographic chip storage, retrieval and display system that is made up of shelf items reflecting, of course, current products and technology. The image is reduced to 1/300th its original size, with the only limitation that it be black and white line art or text. One 4" by 4" chip, for example, can hold a 75' by 75' city map or a chart of a city-wide utility system. Another capacity measure is that 9800 pages of text (8.5"x 11") can be stored on a single 4" x 4" film chip. Resolution achieved is 375 lines per millimeter. Random access is through digital loops and slew switches, and frame-to-frame access time is 100 milliseconds. This was the first briefing on a chip system where the chip was laminated and where search was by digital logic. Of particular interest was the demonstration of a portable chip storage, retrieving and viewing unit, digitally driven, which had been developed for Air Logistics Command to aid in plane-side trouble shooting by diagnostic maintenance personnel. This unit enables the trouble-shooter to take his entire stock of Technical Manuals to plane-side, to make a preliminary diagnosis, to refer quickly to the Micro-Vue for the correct remedial procedure. Having followed the procedure, and not correcting the trouble, the programs could then guide the trouble-shooter to the next most likely cause of the trouble showing the same or an analogous symptom pattern.

3. The trip to the Aerospace Research and Development Center, at Griffiss Air Force Base, Rome, New York, was made on April 14. The first two hours were spent receiving briefings in-place on the elements responsible for programs and research and development work related to the chip problem. The balance of the tour was spent examining the modules of the Mobile Wing Recce-Tech System which were being given a continuous operational test. Team members, thus, were able to examine the operation of each module, and to make operating tests of the various components. Of particular interest to the chip Team was the drum storage of film chips in rigid holders. The actual placing and withdrawal of the framed chip is by operator. However, the search, selection and return of the desired chip to the point of extraction was computer driven. The actual retrieval time for chips from the most distant point of delivery and from the closest point varied from 7 to 14 seconds. The chips constitute the data base with which the module would go into an operational support assignment. Provision is made for scanning the incoming film on a light table while having the relevant reference material displayed slightly above the line-of-sight in front of the light table.

25X1

S-E-C-R-E-T

S-E-C-R-E-T

- 3 -

25X1

4. During the return to Washington, it was agreed to assemble at 0900, April 26, [redacted] to depart for the full-week drafting session at the nearby military facility.

25X1

[redacted]
Secretary

S-E-C-R-E-T